

Release notes for ENDF/B Development dec-055-Cs\_141  
evaluation

**ENDF**  
**B-VII**.dev

October 13, 2016

• fizcon Errors:

1. A LIST record is messed up, I don't know which one  
*MAT=1805, MF= 8, MT=457 (1): Bad LIST*

ERROR(S) FOUND IN MAT=1805, MF= 8, MT=457  
LIST OUT OF ORDER NEAR N= 79

2. All probability distributions should be normalized to 1, this one isn't.  
*MAT=1805, MF= 8, MT=457 (2): Bad norm (b)*

ERROR(S) FOUND IN MAT=1805, MF= 8, MT=457  
NORMALIZATION CHECK INTEGRAL= 1.01628E+00 BEFORE

3. Energies released in decay not adding up!  
*MAT=1805, MF= 8, MT=457 (3): Bad energy sum*

ERROR(S) FOUND IN MAT=1805, MF= 8, MT=457  
TOTAL ENERGY RELEASE SUMUP FAILURE  
WHOLE= 5.25120E+06 SUM= 4.34592E+06

4. Energies released in decay not adding up!  
*MAT=1805, MF= 8, MT=457 (4): Bad energy sum*

ERROR(S) FOUND IN MAT=1805, MF= 8, MT=457  
GAMMA ENERGY (GE) SUMUP FAILURE  
WHOLE= 1.70786E+06 SUM= 7.80523E+05 SEQUENCE NUMBER 2

5. Energies released in decay not adding up!  
*MAT=1805, MF= 8, MT=457 (5): Bad energy sum*

ERROR(S) FOUND IN MAT=1805, MF= 8, MT=457  
NEUTRON AVERAGE ENERGY SUMUP FAILURE  
WHOLE= 7.41066E+01 SUM= 7.85305E+01